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OCT 14 2005

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24024      7590      07/13/2005

**CALFEE HALTER & GRISWOLD, LLP**  
800 SUPERIOR AVENUE  
SUITE 1400  
CLEVELAND, OH 44114

10/17/2005 HGUTEMA2 00000088 09835727

01 FC:2501      700.00 OP  
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*Wendy A. Frick*

(Depositor's name)

*Wendy A. Frick*

(Signature)

*October 12, 2005*

(D)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/835,727	04/16/2001	Jeffrey C. Dill	27211/04031	7043

TITLE OF INVENTION: APPARATUS AND METHOD OF CTCM ENCODING AND DECODING FOR A DIGITAL COMMUNICATION SYSTEM

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	10/13/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
WANG, TED M	2634	375-265000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

2. For printing on the patent front page, list

*Calfee, Halter &  
Griswold LLP*

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 \_\_\_\_\_  
3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed in accordance as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

The Ohio University

Athens, Ohio

Please check the appropriate assignee category or categories (will not be printed on the patent):  Individual  Corporation or other private group entity  Government

4a. The following fee(s) are enclosed:

4b. Payment of Fee(s):

- Issue Fee
- Publication Fee (No small entity discount permitted)
- Advance Order - # of Copies \_\_\_\_\_

A check in the amount of the fee(s) is enclosed.

Payment by credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge the required fee(s), or credit any overpayment Deposit Account Number 03-0172 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

*Pamela A. Docherty*

Typed or printed name Pamela A. Docherty

Date October 12, 2005

Registration No. 40,591

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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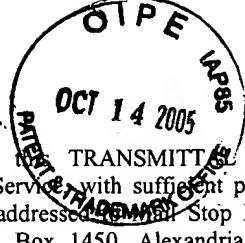
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Typed or Printed name of person signing this certificate:

Wendy A. Frick

Signed: Wendy A. Frick



Customer Number

24024

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	)	Examiner: Wang, Ted M.
Dill, et al.	)	
	)	
Serial No.:	)	Art Unit: 2634
09/835,727	)	
	)	
Filed:	)	
April 16, 2001	)	
	)	
For: APPARATUS AND METHOD OF	)	Attorney Docket No.: 27211/04031
CTCM ENCODING AND DECODING	)	
FOR A DIGITAL COMMUNICATION	)	
SYSTEM	)	

Mail Stop Issue Fee  
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TRANSMITTAL OF ISSUE FEE

Sir:

Transmitted herewith are the following:

1. Issue Fee Transmittal;
2. A check in the amount of \$1,000.00 as payment of the Issue Fee and Publication Fee; and
3. A Return Receipt Postcard.

It is believed that no further fee is required relating to the filing of this document. If this is not the case, the Patent Office is hereby authorized to charge any related fee to Deposit Account No. 03-0172. A duplicate copy of this sheet is attached.

Respectfully submitted,

Date: October 12, 2005

By: Pamela A. Docherty  
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(216) 622-8416